

Con. 8890-13.

GS-5539

(REVISED COURSE)

(3 Hours)

[Total Marks : 100

- N.B.** (1) Question No. 1 is **compulsory**.
(2) Attempt any **four** questions out of remaining **six** questions.
(3) Assume suitable **data** whenever **necessary**.

1. (a) What do you mean by Near and far terminals problem ? 5
(b) Explain VOIP service for Mobile Networks. 5
(c) What is the use of HLR & VLR registers in Mobile computing ? 5
(d) Explain different types of Spread Spectrum technique used in cellular system. 5
2. (a) Draw a neat diagram of GPRS system architecture and explain with different types of interfaces. 10
(b) Explain protocol architecture of 802.11. 10
3. (a) Explain I-TCP and M-TCP in detail. 10
(b) Explain wireless datagram protocol. 10
4. (a) Explain various protocols of MANET Routing protocols. 10
(b) Describe the Mobile satellite system (LEO & GEO). 10
5. (a) Explain Handoff. Management technique used in cellular system. 10
(b) Explain Motivation of WATM also explain WATM generic reference Model ? 10
6. (a) Explain UTRA FDD TDD mode in detail ? 10
(b) Compare 802.11 and 802.15. 10
7. Write short notes on any **four** :- 20
 - (a) RFID
 - (b) M-commerce
 - (c) Wireless Sensor Network
 - (d) H.323 Network
 - (e) WML script.